(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 7 July 2005 (07.07.2005)

PCT

(10) International Publication Number WO 2005/061540 A2

(51) International Patent Classification7: 16/46, 16/28, 16/22

C07K 16/00,

(74) Agents: CAPASSO, Olga et al.; De Simone & Partners S.P.A., Via Vincenzo Bellini 20, I-00198 Roma (IT).

(21) International Application Number:

PCT/IT2004/000722

(22) International Filing Date:

23 December 2004 (23.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: RM2003000601 24 December 2003 (24.12.2003)

- (71) Applicants (for all designated States except US): LAY LINE GENOMICS S.P.A. [IT/IT]; Via di Castel Romano, 100, I-00128 Roma (IT). SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI-SISSA [IT/IT]; Via Beirut, 2/4, I-34014 Trieste (IT).
- (72) Inventors; and
- Inventors/Applicants (for US only): CATTANEO, Antonino [IT/IT]; c/o Lay Line Genomics S.p.A., Via di Castel Romano, 100, I-00128 Roma (IT). COVACEUSZACH, Sonia [IT/IT]; c/o Lay Line Genomics S.p.A., Via di Castel Romano, 100, I-00128 Roma (IT). LAMBA, Doriano [IT/IT]; c/o Lay Line Genomics S.p.A., Via di Castel Romano, 100, I-00128 Roma (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

ZW.

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR THE HUMANIZATION OF ANTIBODIES AND HUMANIZED ANTIBODIES THEREBY **OBTAINED**

(57) Abstract: Method for the humanization of the VH and VL variable regions of an animal antibody of known sequence, humanized animal antibody obtainable according to the method, in particular anti-NGF and anti-TrkA humanized animal antibodies.